

REMARKS

Reconsideration of this application is respectfully requested in view of the foregoing amendment and the following remarks.

By the foregoing amendment, claims 1, 2, 9, and 13 been amended. No new matter has been added. Thus, claims 1-16 are currently pending in the application and subject to examination.

In the Office Action mailed October 25, 2006, the Examiner rejected claims 1-16 under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,966,108 to Ditzik ("Ditzik").

It is noted that claims 1, 2, 9, and 13 have been amended. To the extent that the rejection remains applicable to the claims currently pending, the Applicant hereby traverses the rejection, as follows.

Applicant's invention as set forth in claim 1 is directed to a position encoded sensing device including, in part, a light guiding layers disposed on a display panel, the light guiding layer including a light guiding plate, at least one light source disposed at one side edge of the light guiding plate, and wherein the light guiding layer is configured to have encoded information therein; and a transceiver for detecting light and the encoded information that are outputted from the light guiding layer.

This provides a more simplified module structure without requiring additional control circuitries, and enables thinner and lighter weight displays.

Ditzik teaches combining the use of a standard pen/stylus emitter film with a fiber optic faceplate in order to improve parallax. However, Ditzik does not disclose or suggest at least the combination of a light guiding layer including a light guiding plate, at

least one light source disposed at one side edge of the light guiding plate, and wherein the light guiding plate is configured to have encoded information therein, and a transceiver for detecting light and the encoded information that are outputted from the light guiding layer, as recited in claim 1.

The Office Action appears to assert that the fiber optic layer 6 and the pen sensor/emitter film 4 of Ditzik are the light guiding layer. However, the Applicants note that neither the fiber optic layer nor the sensor/emitter film is a light guiding plate configured to have encoded information therein. Column 4, lines 52-54 of Ditzik merely states that the pen coating or film can act as a signal receiver sensor or signal emitter depending on the overall design of the "encoding means", where the encoding means includes pen position encoding electronics 20, 42. The Applicants submit that Ditzik does not disclose or suggest a light guiding plate configured to have encoded information **therein**.

Furthermore, Ditzik does not disclose or suggest at least one light source disposed at one side edge of the light guiding plate. The Office Action appears to assert that the backlight 41 (column 8, lines 47-64) for the LCD in Figures 6A, 6B is the at least one light source. Claim 1 has been amended to clarify that the light source is disposed at one "side" edge of the light guiding layer, whereas the backlight in Ditzik is disposed behind the pen sensor/emitter film 4.

In addition, Ditzik does not teach a transceiver for detecting light and the encoded information that are output from the light guiding layer. Ditzik teaches a pen or stylus, but does not disclose or suggest the pen/stylus as a transceiver for detecting light and the encoded information that are output from the light guiding layer. The Office

Action cites column 4, lines 46 and 47, as teaching this feature. However, lines 46 and 47 merely describe the “pen sensor/emitter film.” This section describes the film. It does not teach that the pen is a sensor or emitter.

To qualify as prior art under 35 U.S.C. § 102, a prior art reference must disclose each and every feature recited by a rejected claim. As noted above, Ditzik does not disclose, teach, or suggest each and every feature recited by claim 1.

Accordingly, Applicants respectfully submit that claim 1 is not anticipated by or rendered obvious in view of Ditzik.

For at least this reason, the Applicant submits that claim 1 is allowable over the cited art. For similar reasons, the Applicant submits that claims 9 and 13 are likewise allowable. As claims 1, 9, and 13 are allowable, the Applicant submits that claims 2-8, 10-12, and 14-16, which depend from allowable claims 1, 9, and 13, are therefore also allowable at least for the above noted reason and for the additional subject matter recited therein.

CONCLUSION


For all of the above reasons, it is respectfully submitted that the claims now pending patentability distinguish the present invention from the cited references. Accordingly, reconsideration and withdrawal of the outstanding rejections and an issuance of a Notice of Allowance are earnestly solicited.

Should the Examiner determine that any further action is necessary to place this application into condition for allowance, the Examiner is encouraged to telephone the undersigned representative at the number listed below.

In the event this paper is not considered to be timely filed, the Applicants hereby petition for an appropriate extension of time. The fee for this extension may be charged to our Deposit Account No. 01-2300. The Commissioner is hereby authorized to charge any fee deficiency or credit any overpayment associated with this communication to Deposit Account No. 01-2300 with reference to Attorney Docket No. 025789-00005.

Respectfully submitted,

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